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REPORT NO. 29 CIA/PIR **7509**3

DATE FEB. 1967

GROUP 1 Excluded from automatic downgrading and declassification SECRET

WARNING

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Approved For Release 2003/03 SECRETA-RDP78T05161A001300010016-8				
		25X1		
!	DDI IMAGERY ANALYSIS STAFF	PIR 75093		

PREFACE

This report summarizes significant items of photo intelligence relating to the North Vietnamese railroad system which has been developed from available photography (received by the CIA Imagery Analysis Staff) during the period indicated on the cover. This report is intended to provide a comprehensive view of the railroad system and does not necessarily reflect the most recent status changes as reported by pilots' reports or field photo intelligence cables.

The railroad system has been divided into 5 major lines: the Hanoi/Lao Cai Line, the Hanoi/Dong Dang Line, the Hanoi/Haiphong Line, the Hanoi/Dong Hoi Line and the Thai Nguyen Line (Figure 1). Annotated maps and photos are used to show the status of each line.

Approved For Release 2003/03/36CRQIA-RDP78T05161A001300010016-8 PIR 75093**25X1** FIGURE 1 NORTH VIETNAMESE RALLROAD SYSTEM TUXER BIEN GULFNOUN VIETN HAINAN TAO OFTONKIN ENTIANE NONG KHAI MUANG HON PHANOM UDON THA DEMARCATION LINE NPIC BASE 11 DONG HA NAUTICAL MILES

-2-

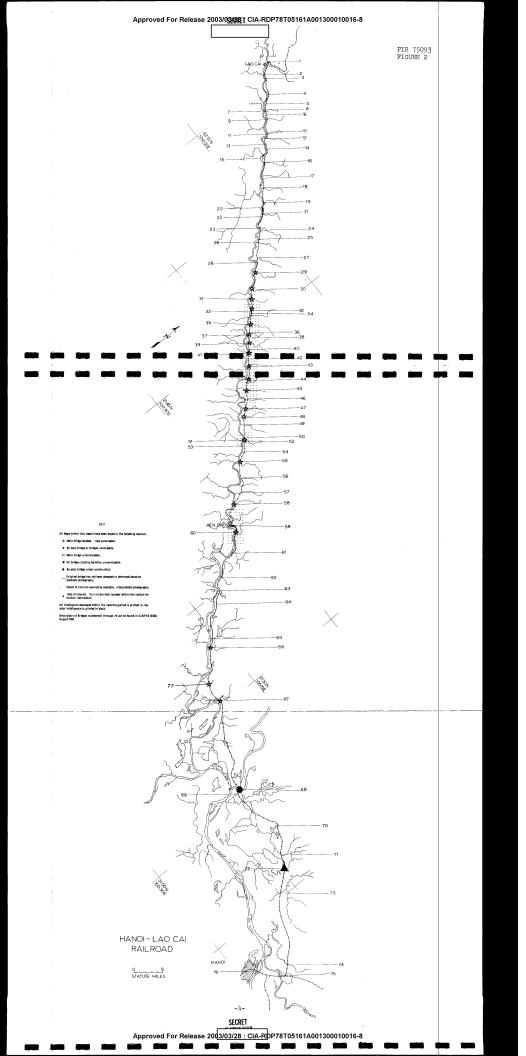
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	DDI IMACERY ANALYSIS STAFE	PIR 75093

SUMMARY

Those portions of the Hanoi/Lao Cai and Thai Nguyen Rail Lines covered by interpretable photography were open to through traffic. One bridge interdiction was noted on the Hanoi/Dong Hoi Rail Line, and a rail-to-rail transloading operation has been observed at the Thanh Hoa Railroad Yards.

CONTENTS

Hanoi/Lao Cai Rail Line	Page	4
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BRIDGE STATUS CHANGES HANOI/LAO CAI RAIL LINE

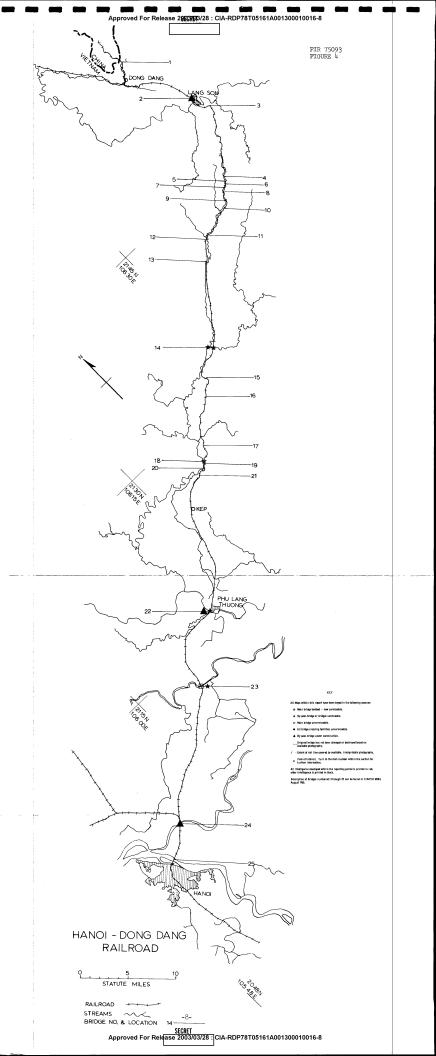
8		Bridge Number and Name	Date Last Observed	i Status *	
25X1	32	Lang Kay Railroad Bridge NW over Ngoi Key		S	25X1
25X1	35	Lang Kay Railroad Bridge over Ngoi Chuc		S	
25X1	37	Lang Kay Railroad Bridge S over		S	
25X1	39	Lang Khay Railroad Bridge over Ngoi Kay		ន	
25X1	41	Khe Se Railroad Bridge S over stream		S	
25X1	43	Trai Hut <u>Railroad Bridge</u> NW over Ngoi Cho		S	
25X1	1414	Trai Hut Railroad Bridge over Nam Lam		ន	
25X1	45	Som Dong Dep Railroad Bridge over Nam Muoi		ន	
25X1	47	Lang Quach Ngoai Railroad Bridge N over Ngoi Vai		S	
25X1	48	Lang Quach Ngoai Railroad Bridge over Ngoi Quach		S	
25X1	51	Pho Chang Railroad Bridge over Ngoi Trang		S	
25X1	55	Pho Hop Railroad Bridge over		S	
25X1	67	Phu Tho Railroad Bridge E over stream		S	
	*	All data is compiled from photography dat	ed ed	or thereafter.	
	i	Symbols: S = serviceable, U = unservicea	ble 25	5X1	

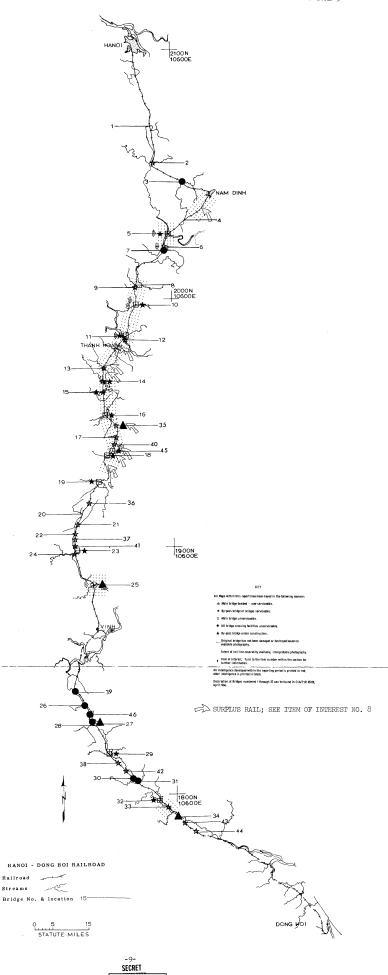
	Approved For	r Rele	ase 2003/0 3 2 REI A-RDP78T05161A0013000	10016-8
			DDI IMAGERY ANALYSIS STAFF	TR 75093
•	ITEM OF INTEREST NO	. 1:	Hanoi/Lao Cai Rail Line	
	NAME	:	Yen Bai Railroad Yard	
X1	BE	:		
	COORDINATES	:	21 42N - 104 53E, VJ880996	
	PHOTO REFERENCE	:] 25X1
	MAP REFERENCE	:	JOG (A) 1501, NF 48-10	
	23, November and Dec Yard is once more so I locomotive, 11 em and 11 box cars (app consisting of a loco	cembe ervic pty g proxi omoti	usly reported U.S. airstrikes (Report Nor 1966) has been repaired and the Yen Reable. On the yard condola cars, 15 loaded gondola cars, 4 mately), all of which are serviceable. The year tender, 8 box cars, 2 empty gond was entering the yard from the south.	Bai Railroad ontained flat cars, A train

indicates that transshipment activity is presently occurring.

Extensive vehicular track activity adjacent to the rail yard strongly







25X1

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BRIDGE STATUS CHANGES HANOI/DONG HOI RAIL LINE

		Bridge Number and Name	Date Last Observed	Status *	
25X1	5	Ninh Binh Railroad and Highway Bridge over Song Day		Ū	25X1
25X1	5	Ninh Binh Railroad Bridge over Song Day		ಧ	
	5	Ninh Binh Railroad Pontoon Bridge		Ū	
25X1_	6	Ha Thon Railroad and Highway Bridge over Song Vac		S	
25X1	9	Yen Xa Railroad and Highway Bridge over stream		S	
25X1_	10	Dong Phong Thuong Railroad and Highway Bridge over Song Len		Ū	
25X1_	10	Dong Phong Thuong Railroad Bridge S over Song Len		S	
25X1	10	Dong Phong Thuong E Railroad By-Pass Bridge		U	
25X1	11	Phuong Dinh Railroad Bridge over Lach Truong		S	
25X1	11	Phuong Dinh Railroad and Highway Bridge over Lach Truong		S	
25X1	12	Thanh Hoa Railroad and Highway Bridge over Song Ma		s ·	
25X1	13	Thien Linh Dong Railroad Bridge over Hoang Giang		S	
25X 1	13	Thien Linh Dong Railroad Bridge SW over River		S	
25X1_	14	Thinh Lac Railroad Bridge over stream		S	
25X1	14	Thinh Lac Railroad Bridge SSW ever stream		S	
		-10-			
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		Bridge Number and Name	Date Last Observed	Status *	
25X1	15	Truong Quang Tien Railroad Bridge over Song Yen Tr		U	25X
25X1	15	Truong Quang Tien Railroad Bridge E		\$	
25X1	16	Thi Long Railroad Bridge over Suoi Cay Gang		υ	
25X1	16	Thi Long Railroad Bridge SW over Suoi Cay Gang		S	÷
25X1	17	Phu Quat Railroad Bridge over stream		S	•
25X1	17	Phu Quat Railroad Bridge NW over stream		Abandoned	-
25X1	19	Qui Vinh Railroad Bridge No. 1 over Song Hoang Mai		υ	
25X1	19	Qui Vinh Railroad Bridge No. 2 over Song Hoang Mai		ಭ	-
25X1	19	Qui Vinh Railroad Bridge No. 3 over Song Hoang Mai		υ	
25X1	19	Qui Vinh Railroad Bridge No. 4 over Song Hoang Mai		S	_
25X1	25	Tam Da Railroad and Highway Bridge over Song Cua Lo		U	
25X1	35	Thi Long Railroad Bridge SE over stream		S	₩
25X1	36	Tho Trang Railroad Bridge over stream (S	-
25X1	40	Qui <u>My Railroad</u> Bridge over stream		ຣ 25X1	
		Il data is compiled from photography date mbols: S = serviceable, U = unserviceab		thereafter.) ±
	v	-11	- -		**
		SECRET			
			2	25X1	3 3

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25X

25X

ITEM OF INTEREST NO. 1: Hanoi/Dong Hoi Rail Line

NAME

: Tam Da RR. and Hwy. Bridge

BE

:

COORDINATES

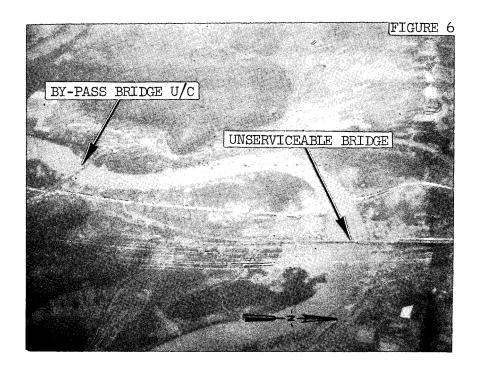
: 18 50N - 105 39E, WF691839

PHOTO REFERENCE

MAP REFERENCE

: JOG (A) 1501, NE 48-7

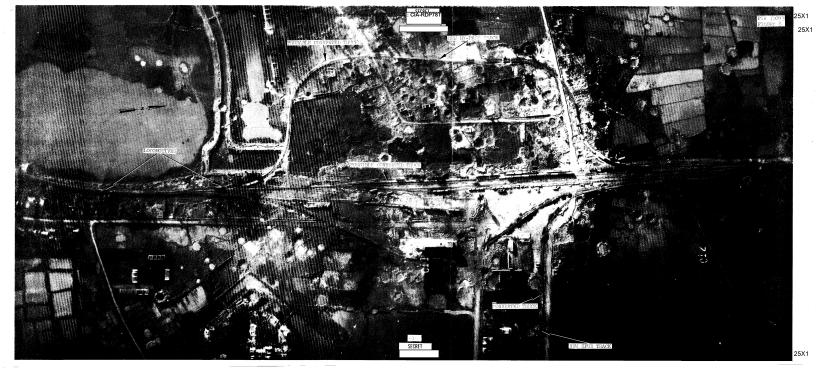
Approximately 4 spans of the probable 12-span, deck-beam Tam Da Railroad and Highway Bridge have been destroyed. The by-pass bridge is also unserviceable.

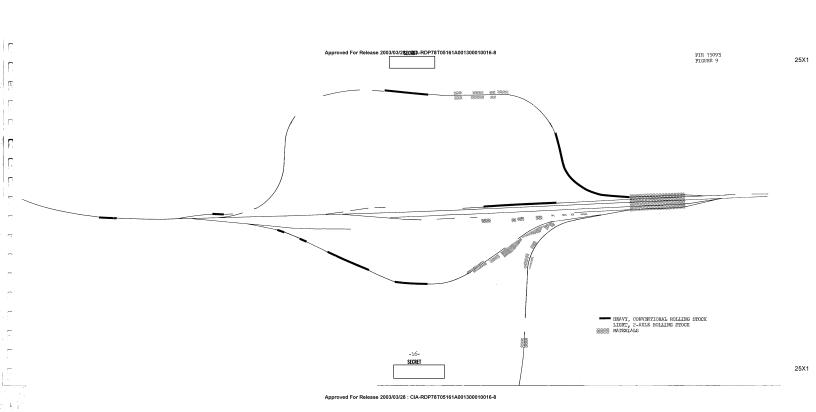


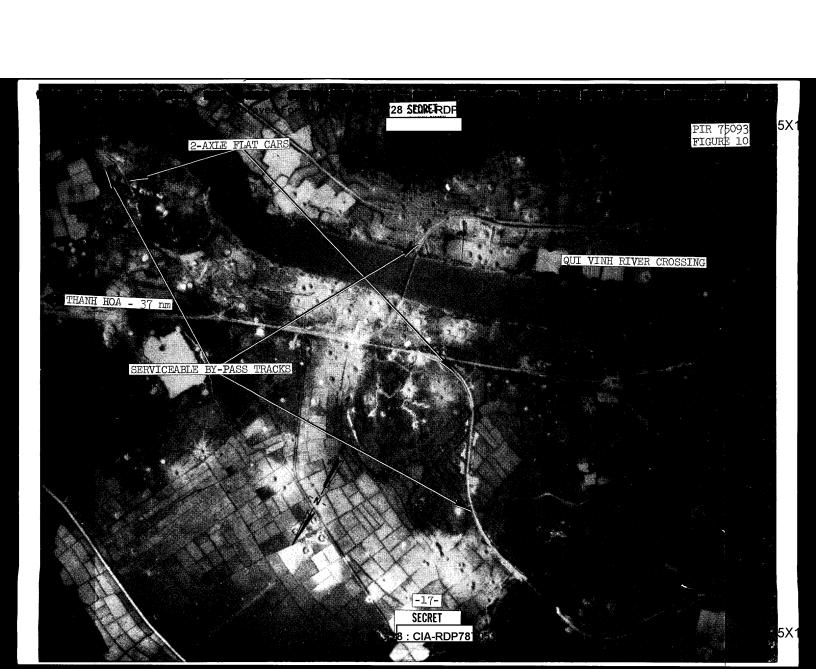
-12-

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		DDI IMACERY ANALYSIS STAFF	PIR 75093
		DDI IMAGERY ANALYSIS STAFF	
	ITEM OF INTEREST NO. 2:	Hanoi/Dong Hoi Rail Line	
	NAME :	Thanh Hoa RR. Yards	
	BE 25X1 :		
	COORDINATES :	19 48N - 105 46E, WG807906	
	PHOTO REFERENCES :		051/4
			25X1
	MAP REFERENCE :	JOG (A) 1501, NE 48-3	
	in open storage in the T	distribution of rolling stock and m hanh Hoa Railroad Yards has lead to used as a major transloading area.	
		s located at the western edge of Thrd with 2 by-passes and 2 dead-end	
25X1	noted on the dead-end sp the northern portions of noted on the dead-end sp	Figure 7), heavy, conventional rolur located at the northern edge of the 2 by-passes. Light, 2-axle rour on the southern edge of the rails of the 2 by-passes. The rolling s	the yard and on lling stock is road yard and tock is more
25X1	adjoining tracks, includ Large amounts of materia beams, and probable wood	although the two difed. See Figure 9 for a line drawing ling the distribution of rolling stools in open storage, including rails len beams are found along the by-passe northern dead-end spur (Figures 8	of the yard and ck and supplies. , probable steel ses, within the
	ventional steam locomoti Hanoi to the Thanh Hoa R portion of the yard. Li portion of the yard and These cars, using conver	heavy, conventional rolling stock ves, is transporting materials sout ailroad Yards and off-loading withing the 2-axle rolling stock is held in on unused by-pass tracks south of the trucks for motive power, subsequents the track and probably start their	hward from n the northern the southern he yard (Figure 10). uently on-load
	construction of the hast tates extremely light ro detailed information con	transloading operation is probably ily reconstructed bridges south of alling stock (see Report No. 9, Sept acerning the specifications of the 2 ing stock is easier to conceal or c	Thanh Hoa necessi- ember 1966 for -axle flat cars),
25X1	all of the 2-axle flat c	ears in the Thanh Hoa Railroad Yards	on [
			•









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25X1

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ITEM OF INTEREST NO. 3: Hanoi/Dong Hoi Rail Line

NAME

: Phuong Dinh RR. By-Pass Bridge E

BE

: NA

COORDINATES

: 19 51N - 105 48E, WG842951

PHOTO REFERENCE

25X1

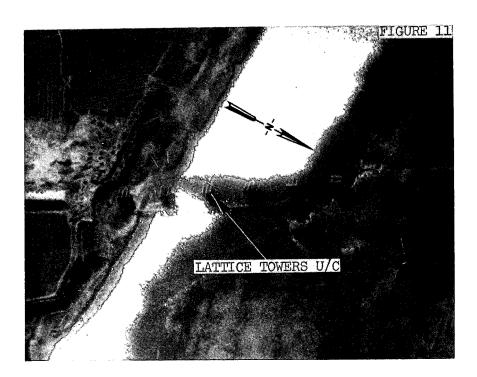
25X1

25X1

MAP REFERENCE

: JOG (A) 1501, NE 48-3

An 8-span, by-pass bridge is under construction approximately 500' east of the currently unserviceable main bridge and 600' east of a currently serviceable by-pass bridge



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	DDI IMAGERY ANALYSIS STAFF	PIR 75093
ITEM OF INTEREST NO. 4:	Hanoi/Dong Hoi Rail Line	
NAME :	Dong Phong Thuong RR. Bridge E	
BE :		
COORDINATES :	19 58N - 105 51E, WH890090	•
PHOTO REFERENCES :]
		J
MAP REFERENCE :	JOG (A) 1501, NE 48-3	
Bridge E have been destr This bridge was services	ons of the deck-beam Dong Phong Thuon coyed and 1 approach has been interdible on Figure 12). The emains unserviceable.	cted (Figure 13).
	ng Railroad By-Pass Bridge S rail line is interdicted at both en	has ds of the

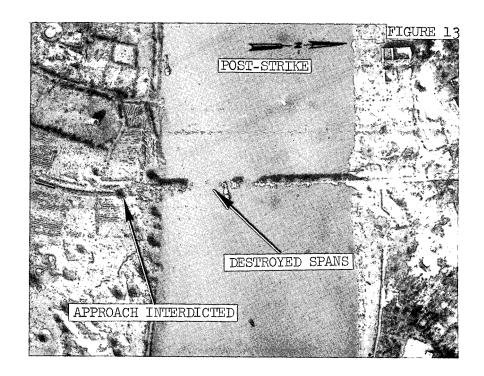
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		DDI IMAGERY ANALYSIS STAFF	PIR 75093
ITEM OF INTEREST	NO. 5:	Hanoi/Dong Hoi Rail Line	
NAME	:	Dong Phong Thuong RR. Yard	
BE	:	NA	
COORDINATES	0	19 59N - 105 46E, WH886109	
PHOTO REFERENCE	:		25X1
MAP REFERENCE	:	J O G (A) 1501, NE 48-3	
(Figure 14). At 14 probable box serviceable. Photank car, 2 box or damaged and a several places. south of the yard	that ticars, 5 otograph cars, 2 ll through of d, the t	gondola cars, and 6 flat cars he igh tracks in the yard have been the choke points has been interested by pass tracks of the Dong Pi	ately 6 tank cars, all of which were) reveals that 1 ave been destroyed interdicted in dicted. Immediately hong Thuong Railroad
and Highway Bridg		have been interdicted	

25X1

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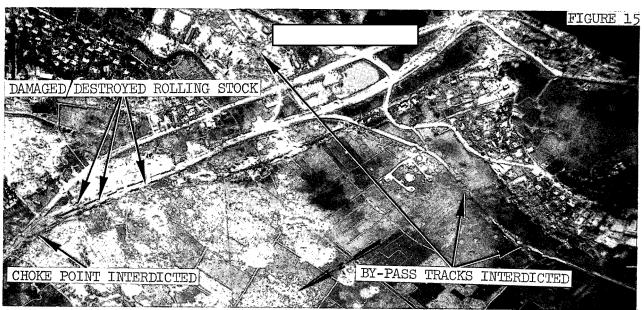
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25X1

25X1

PIR 75093





25X1

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PIR 75093

25X1

25X1

ITEM OF INTEREST NO. 6: Hanoi/Dong Hoi Rail Line

NAME

: Ha Thon RR. Bridge

BE

25X1

:

COORDINATES

: 20 12N - 105 58E, XH013348

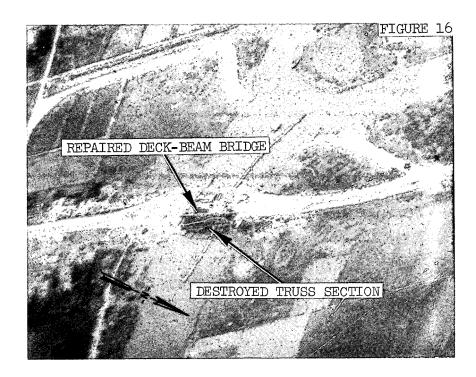
PHOTO REFERENCE

: |

MAP REFERENCE

: JOG (A) 1501, NF 48-15

The probable 3-span, deck-beam Ha Thon Railroad Replacement Bridge has been repaired and is serviceable to through traffic.



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25X1

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ITEM OF INTEREST NO. 7: Hanoi/Dong Hoi Rail Line

NAME

: Ninh Binh RR. Pontoon Bridge

BE

: NA

COORDINATES

: 20 15N - 105 59E, XH030405

PHOTO REFERENCES

25X1

MAP REFERENCE

: JOG (A) 1501, NF 48-15

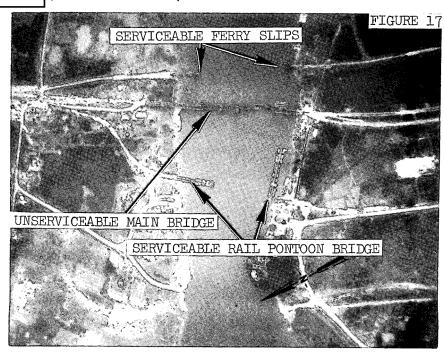
25X1

Photography of _______ reveals a serviceable railroad pontoon bridge (Figure 17) over the Ninh Binh river crossing immediately to the west of the unserviceable main bridge _______ This pontoon 25X1 bridge is presently not being used. The railroad ferry immediately to the east of the main bridge remains serviceable. The rail ferry boat associated with this crossing has been moved from its previous location at UTM XHO34400 to a point 2.2 nm (approx.) east of the main bridge at UTM XHO73391 (Figure 18).

25X1

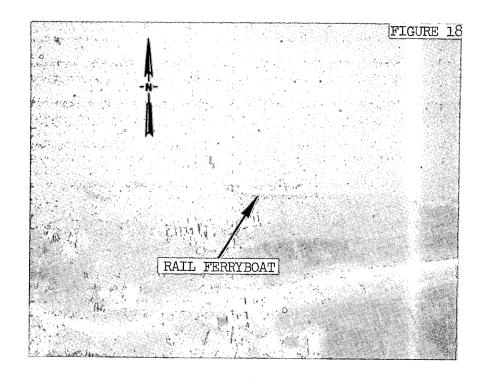
On photography of ______ the railroad pontoon bridge has been struck and is unserviceable (Figure 19). One probable pontoon section has been destroyed and both approaches have been interdicted. The nearby ferry slips are undamaged and a by-pass, the Ninh Binh Railroad Bridge - ______ (not illustrated) remains serviceable.

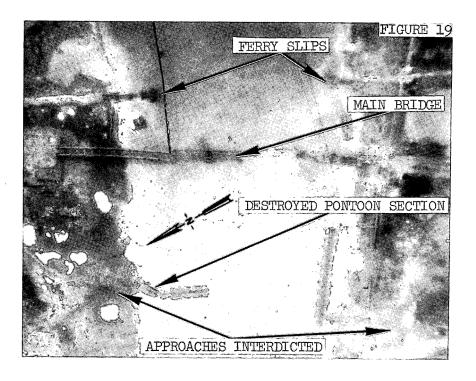
25X1



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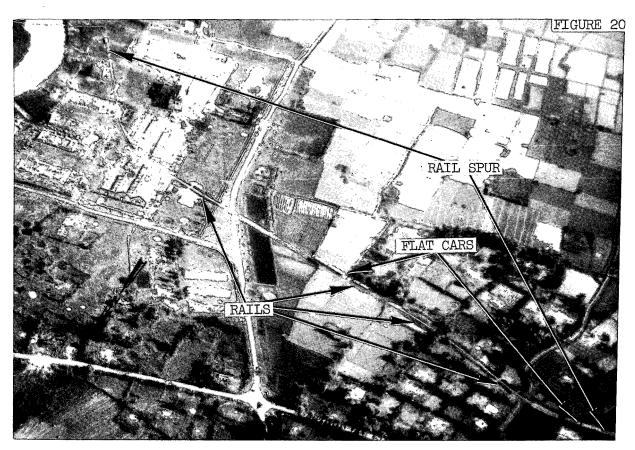
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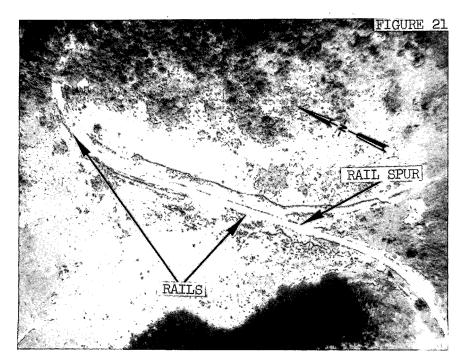
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	DDI IMAGERY ANALYSIS STAFF	PIR 75093
ITEM OF INTEREST NO. 8:	Hanoi/Dong Hoi Rail Line	
NAME :	Construction material	
BE :	NA	
COORDINATES :	Various	
PHOTO REFERENCES :		25X1
MAP REFERENCES :	JOG (A) 1501, NE 48-3	

Large quantities of rail have been observed along the Hanoi-Vinh segment of the rail line (Figure 5). The Thanh Hoa Railroad Yards (Item of Interest No. 2) constitute the largest area of rail storage. Surplus rails have also been stacked in quantity at 19 43N - 105 43E (Figure 20) and 20 28N - 105 42E (Figure 21) as well as at 19 22N - 105 44E, 19 24N - 105 44E, and 19 27N - 105 46E. Nineteen motionless flat cars carrying a total of 11 stacks of rail were noted at 19 16N - 105 42E (not illustrated).

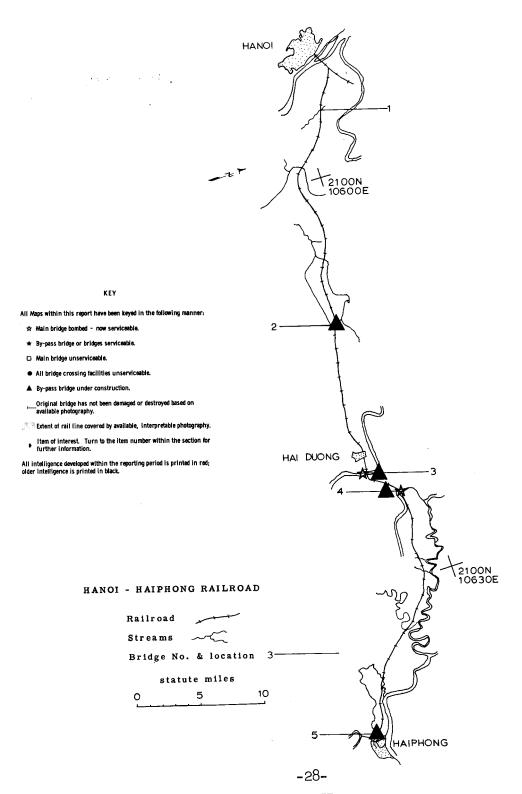
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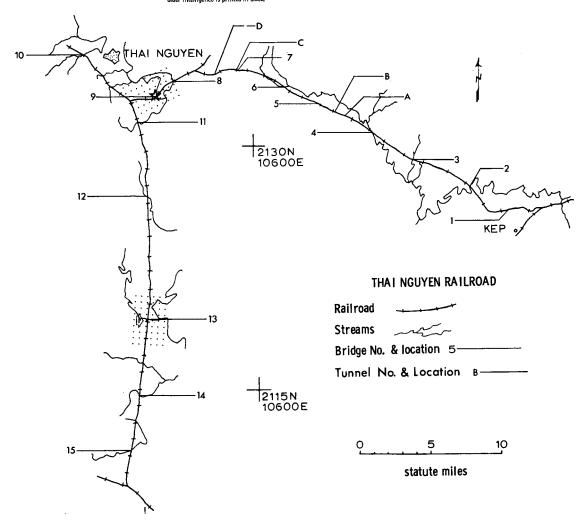
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KEY

All Maps within this report have been keyed in the following manner:

- ☆ Main bridge bombed 'now serviceable.
- * By-pass bridge or bridges serviceable.
- ☐ Main bridge unserviceable.
- All bridge crossing facilities unserviceable.
- ▲ By-pass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- Extent of rail line covered by available, interpretable photography.
- Item of interest. Turn to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.



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	DDI IMAGERY ANALYSIS STAFF	PIR 75093
	BRIDGE STATUS CHANGES THAI NGUYEN RAIL LINE	
	Bridge Number and Name Date last obser	ved Status *
9	Lang Lau Railroad Bridge over Song Cau 25X1 25X1	, S
	25X1	1 ` =
*	All data is compiled from photography dated	or thereafter.
	Symbols: S = serviceable, U = unserviceable	

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25X1

ITEM OF INTEREST NO. 1: Thai Nguyen Railroad Line

NAME

: Ha Gia Transloading Area

BE

: NA

COORDINATES

: 21 19N - 105 53E, WJ915582

PHOTO REFERENCE

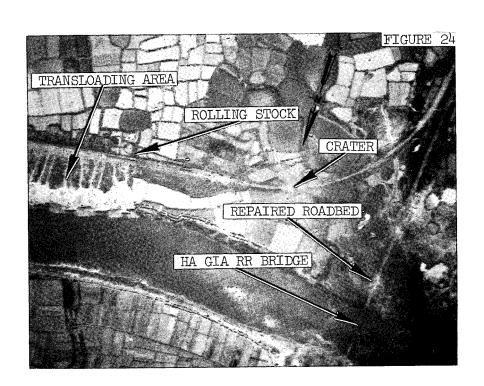
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MAP REFERENCE

: JOG (A) 1501, NF 48-11

The spur line to the Ha Gia transshipment area has been interdicted in 1 place. At least 4 pieces of undamaged rolling stock are located in the transshipping area, indicating that the area has been active. The

25X1 Ha Gia Railroad Bridge appears serviceable, although the southern approach has been cratered and repaired.



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		25X1	